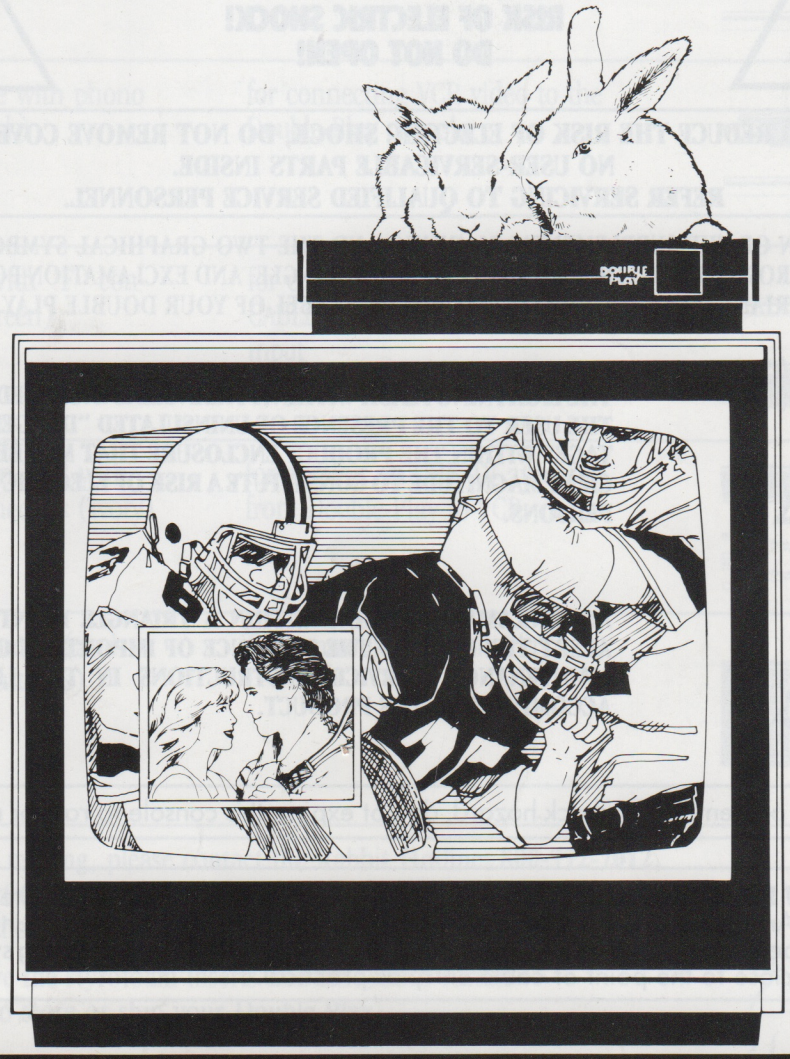
DOUBLE PLAY

RABBIT

™

Owner's Manual



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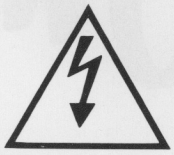
INTRODUCTION

Congratulations on being the owner of a Double-Play! Now you can watch two channels at the same time on your existing television set. Please take a few minutes to read this owner's manual before plugging in your new Double-Play.

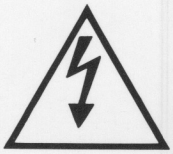
SAFETY PRECAUTIONS

CAUTION!
RISK OF ELECTRIC SHOCK!
DO NOT OPEN!



TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER.
NO USER-SERVICABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

A COMBINATION OF THE SUPPLEMENTAL MARKING AND THE TWO GRAPHICAL SYMBOLS (LIGHTNING FLASH WITH ARROWPOINT WITHIN AN EQUILATERAL TRIANGLE, AND EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE) ARE FOUND ON THE BOTTOM LABEL OF YOUR DOUBLE PLAY CONSOLE.



THE LIGHTNING FLASH WITHIN A TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.

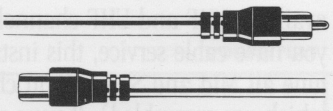
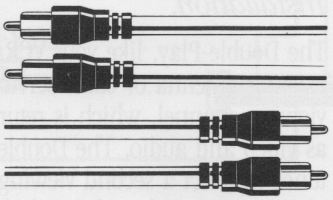
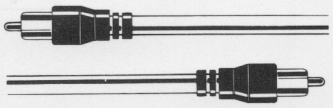
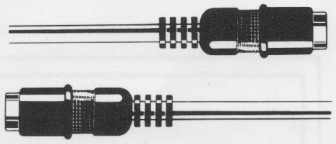
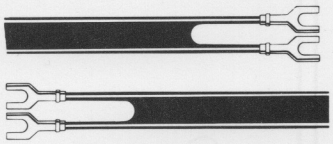
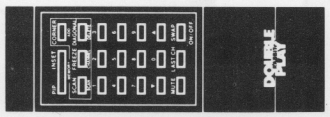
AN EXCLAMATION POINT WITHIN A TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING MAINTENANCE (SERVICE) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE PRODUCT.

WARNING: To prevent fire or shock hazard, do not expose this console to rain or moisture.

NOTE TO CATV SYSTEM INSTALLER: This reminder is provided to call the CATV system installer's attention to Article 820-22 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

UNPACKING DOUBLE-PLAY

When you remove your Double-Play unit from the box, you should have the following items:

1	Double-Play console	for viewing two video program sources at the same time	
2	RF cable with phono plug and "F" connector (grey)	for connecting Double-Play video output to VHF input on TV set	
3	2 audio cables with phono plugs (blue and red)	for connecting audio (mono or stereo) between VCR and Double-Play console	
4	video cable with phono plugs (black)	for connecting VCR video to the Double-Play console	
5	RF cable with "F" connectors (green)	for connecting Double-Play VHF/CABLE output to VCR's VHF/CABLE input	
6	flat TV twin-lead with spade connectors (ivory)	for passing on UHF TV antenna from Double-Play to VCR	
7	Remote Control (and two AAA batteries)	for controlling Double-Play	

If any of these items is missing, please contact the Rabbit Hotline: **800-772-7012.** CA residents call collect **(213) 393-6200.** You may not require all items, depending on your method of installation.

It is a good idea to save the styrofoam inserts and cardboard carton in case you ever need to store or ship your Double-Play.

SETTING UP DOUBLE-PLAY

1 Quick Installation

This section provides a quick installation outline for people with experience hooking up VCR's and related equipment. For a more detailed hook-up procedure, please refer to section 2, *Detailed Installation.*

The installation described here will provide reception of available VHF and UHF channels from your antenna. If you have cable service, this installation will allow you to tune all Mid and Super Band channels (except those which are scrambled). If your cable service requires use of a descrambler box, please see section 2, *Detailed Installation.*

The Double-Play, like your VCR, is connected to your existing antenna or cable service. Your VCR tunes one viewing channel, which is returned to your Double-Play as video and audio. The Double-Play uses its internal tuner to select a second viewing channel. The Double-Play can pass either channel alone to your TV set, or can combine the two channels to provide picture-in-a-picture.

a Position Double-Play on top of TV, near VCR. Do not plug in AC power cord yet.

b Remove RF cable from VHF IN on VCR. Plug into VHF IN on Double-Play.

c Connect RF cable (supplied) from VHF OUT TO VCR on Double-Play to VHF IN on VCR. This cable has a green "F" connector on both ends.

d Connect ivory-colored UHF twin-lead (supplied) from VCR UHF antenna screws to Double-Play antenna screws. (If UHF is not already used, skip this step.)

e Connect blue and red audio cables (supplied) from VCR Left and Right AUDIO OUT to Double-Play Left and Right AUDIO IN FROM VCR. (If VCR is mono, use the blue cable to connect VCR AUDIO OUT to *either* AUDIO IN on Double-Play.)

f Connect video cable (supplied) from VCR VIDEO OUT to VIDEO IN FROM VCR on Double-Play. This cable has a black phono connector on both ends.

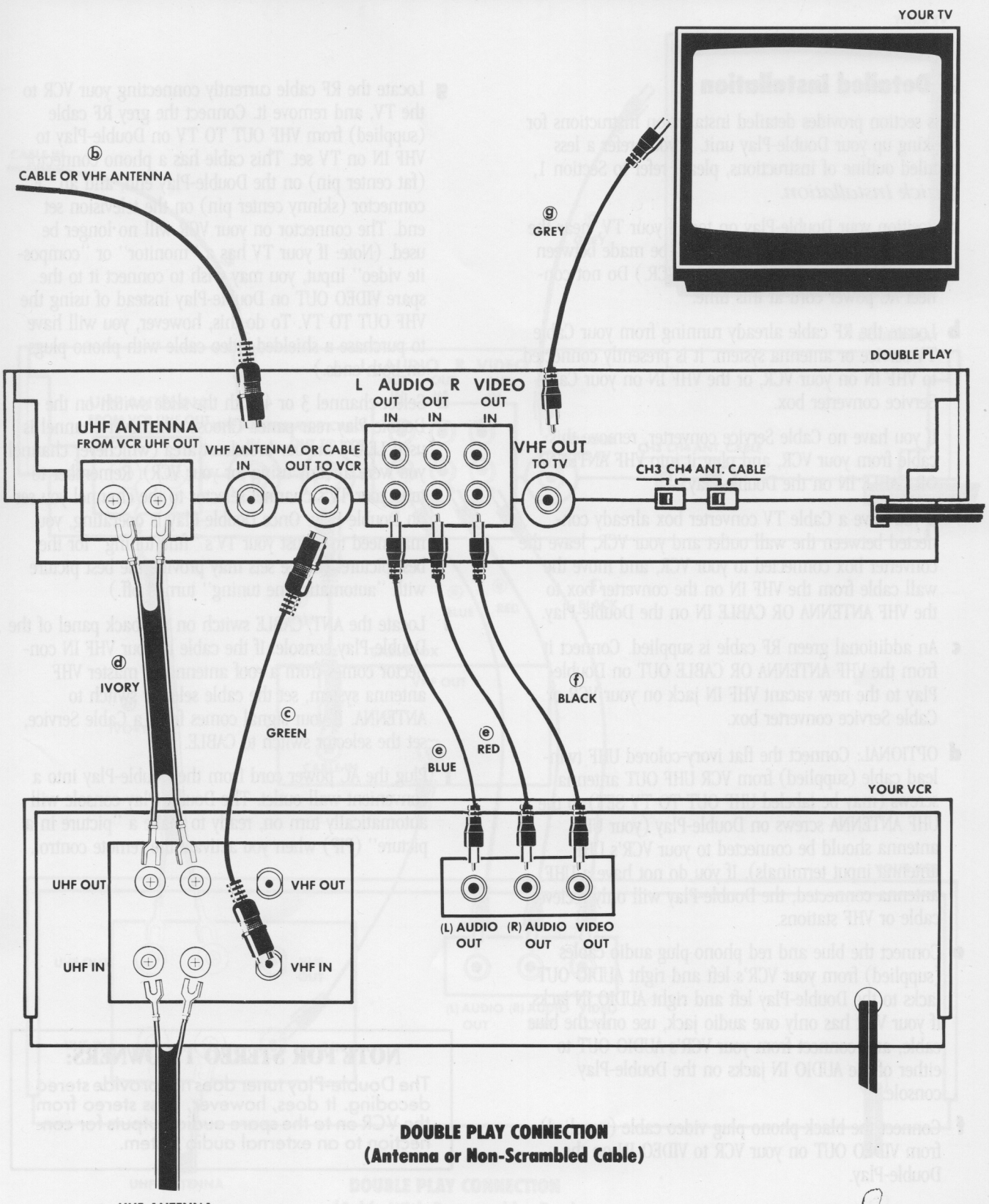
g Remove existing RF cable connecting the VCR to the TV set. Connect grey RF cable (supplied) from VHF OUT TO TV on Double-Play to VHF IN on TV set. This cable has a fat center pin phono connector on the Double-Play end, and a skinny center pin "F" connector on the television set end. (Note: If your TV has a "composite video" input, you may wish to connect it to the spare VIDEO OUT on Double-Play, instead of connecting VHF OUT TO TV to your TV's VHF IN. To do this, however, you will have to purchase a shielded video cable with phono plugs on both ends.)

h Select channel 3 or 4 with slide switch on Double-Play. This is the channel on which your TV will receive pictures from Double-Play. You may need to "fine-tune" your TV once Double-Play is operating.

i Set cable selector switch to ANTENNA or CABLE, according to service used.

j Plug AC power cord from Double-Play into wall outlet.

k Install two AAA batteries (supplied) in Double-Play remote control. Your Double-Play is now ready for use. Please see the next section of this Owner's Manual, *How to Use Double-Play.*



DOUBLE PLAY CONNECTION
(Antenna or Non-Scrambled Cable)

2 Detailed Installation

This section provides detailed installation instructions for hooking up your Double-Play unit. If you prefer a less detailed outline of instructions, please refer to Section 1, *Quick Installation.*

a Position your Double-Play on top of your TV, near the VCR. (Most of the connections will be made between the Double-Play console and your VCR.) Do not connect AC power cord at this time.

b Locate the RF cable already running from your Cable TV service or antenna system. It is presently connected to VHF IN on your VCR, or the VHF IN on your Cable Service converter box.

If you have no Cable Service converter, remove this cable from your VCR, and plug it into VHF ANTENNA OR CABLE IN on the Double-Play.

If you have a Cable TV converter box already connected between the wall outlet and your VCR, leave the converter box connected to your VCR, and move the wall cable from the VHF IN on the converter box to the VHF ANTENNA OR CABLE IN on the Double-Play.

c An additional green RF cable is supplied. Connect it from the VHF ANTENNA OR CABLE OUT on Double-Play to the new vacant VHF IN jack on your VCR or Cable Service converter box.

d OPTIONAL: Connect the flat ivory-colored UHF twin-lead cable (supplied) from VCR UHF OUT antenna screws (may be labeled UHF OUT TO TV SET) to the UHF ANTENNA screws on Double-Play (your UHF antenna should be connected to your VCR's UHF antenna input terminals). If you do not have a UHF antenna connected, the Double-Play will only recieve cable or VHF stations.

e Connect the blue and red phono plug audio cables (supplied) from your VCR's left and right AUDIO OUT jacks to the Double-Play left and right AUDIO IN jacks. If your VCR has only one audio jack, use only the blue cable, and connect from your VCR's AUDIO OUT to either of the AUDIO IN jacks on the Double-Play console.

f Connect the black phono plug video cable (supplied) from VIDEO OUT on your VCR to VIDEO IN on the Double-Play.

g Locate the RF cable currently connecting your VCR to the TV, and remove it. Connect the grey RF cable (supplied) from VHF OUT TO TV on Double-Play to VHF IN on TV set. This cable has a phono connector (fat center pin) on the Double-Play end, and an "F" connector (skinny center pin) on the television set end. The connector on your VCR will no longer be used. (Note: If your TV has a "monitor" or "composite video" input, you may wish to connect it to the spare VIDEO OUT on Double-Play instead of using the VHF OUT TO TV. To do this, however, you will have to purchase a shielded video cable with phono plugs on both ends.)

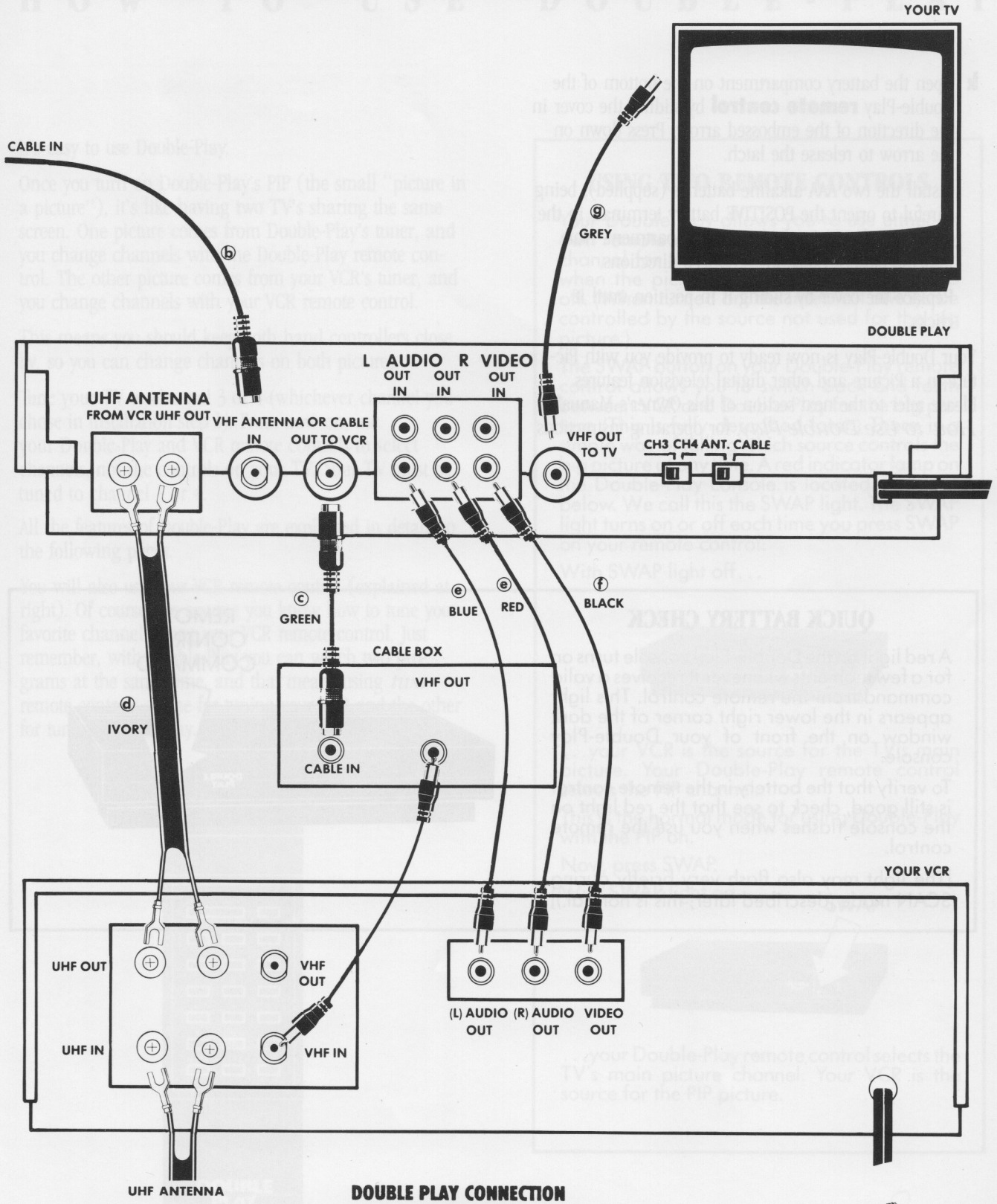
h Select channel 3 or 4 with the slide switch on the Double-Play rear panel. Choose whichever channel is used LEAST in your broadcast area (whichever channel you were already using for your VCR). Remember to tune your TV's channel selector to the channel you set on Double-Play. Once Double-Play is operating, you may need to adjust your TV's "fine tuning" for the best picture. (Some sets may provide the best picture with "automatic fine tuning" turned off.)

i Locate the ANT/CABLE switch on the back panel of the Double-Play console. If the cable to your VHF IN connector comes from a roof antenna or master VHF antenna system, set the cable selector switch to ANTENNA. If your signal comes from a Cable Service, set the selector switch to CABLE.

j Plug the AC power cord from the Double-Play into a convenient wall outlet. The Double-Play console will automatically turn on, ready to make a "picture in a picture" (PIP) when you activate the remote control.

NOTE FOR STEREO TV OWNERS:

The Double-Play tuner does not provide stereo decoding. It does, however, pass stereo from the VCR on to the spare audio outputs for connection to an external audio system.



DOUBLE PLAY CONNECTION
(Cable With Descrambler Box)

k Open the battery compartment on the bottom of the Double-Play **remote control** by sliding the cover in the direction of the embossed arrow. Press down on the arrow to release the latch.

Install the two AAA alkaline batteries (supplied), being careful to orient the POSITIVE battery terminals in the directions shown in the battery compartment. Note that the batteries face in OPPOSITE directions.

Replace the cover by sliding it in position until it clicks.

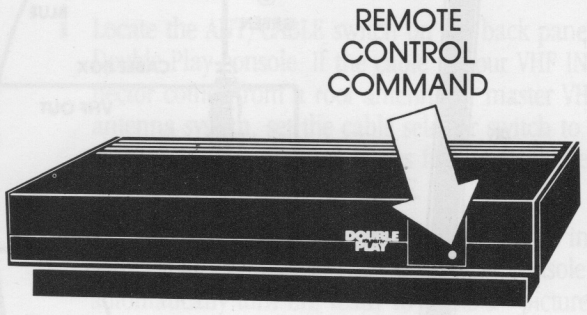
Your Double-Play is now ready to provide you with Picture in a Picture and other digital television features. Please refer to the next section of this Owner's Manual, *How to Use Double-Play,* for operating instructions.

QUICK BATTERY CHECK

A red light on the Double-Play console turns on for a few moments whenever it receives a valid command from the remote control. This light appears in the lower right corner of the dark window on the front of your Double-Play console.

To verify that the battery in the remote control is still good, check to see that the red light on the console flashes when you use the remote control.

[The light may also flash very briefly during SCAN mode (described later; this is normal.)]



HOW TO USE DOUBLE-PLAY

It's easy to use Double-Play.

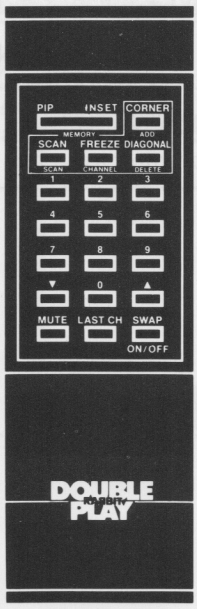
Once you turn on Double-Play's PIP (the small "picture in a picture"), it's like having two TV's sharing the same screen. One picture comes from Double-Play's tuner, and you change channels with the Double-Play remote control. The other picture comes from your VCR's tuner, and you change channels with your VCR remote control.

This means you should keep both hand controllers close by, so you can change channels on both pictures.

Tune your TV to channel 3 or 4 (whichever channel you chose in installation step *h).* From now on, use your Double-Play and VCR remote controls to select channels, not the controls on your TV. Your TV must be tuned to channel 3 or 4.

All the features of Double-Play are explained in detail on the following pages.

You will also use your VCR remote control (explained at right). Of course, we assume you know how to tune your favorite channels using your VCR remote control. Just remember, with Double-Play you can watch two programs at the same time, and that means using *two* remote controls—one for tuning your VCR and the other for tuning Double-Play.

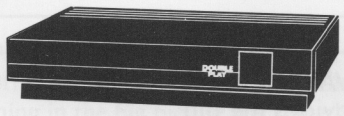


USING TWO REMOTE CONTROLS

Your Double-Play allows you to use either its own remote control or your VCR to tune the channel for the big picture. This is true even when the picture-in-a-picture inset is turned off. (When turned on, the inset will always be controlled by the source not used for the big picture.)

The SWAP button on your Double-Play remote control allows you to switch back and forth between VCR and Double-Play for the big picture (This is fully described later.) There is a simple way of telling which source controls the big picture at any time. A red indicator lamp on the Double-Play console is located as shown below. We call this the SWAP light. The SWAP light turns on or off each time you press SWAP on your remote control:

With SWAP light off...

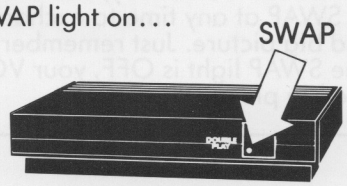


...your VCR is the source for the TV's main picture. Your Double-Play remote control selects the PIP channel.

This is the normal mode for using Double-Play with the PIP on.

Now, press SWAP.

With SWAP light on...



...your Double-Play remote control selects the TV's main picture channel. Your VCR is the source for the PIP picture.

Quick User Guide

This guide summarizes how your VCR and Double-Play can be used for most television viewing situations. If you need further information, please refer to the detailed instructions inside this manual.

Viewing One Channel (No PIP)

Turn SWAP light ON so that Double-Play tuner provides the big picture. (Using SWAP button.)

Tune your TV to Channel 3 (or 4).

Use your Double-Play remote control to select the channel you wish to view.

Viewing Two Channels

Turn SWAP light OFF so that VCR provides the big picture. (Using SWAP button.)

Tune your TV to Channel 3 (or 4).

Use your VCR to select a channel for the big picture. Your Double-Play remote control selects the channel for the PIP inset. This is the way to use Double-Play; however, you can use SWAP at any time to exchange the inset and big picture. Just remember that when the SWAP light is OFF, your VCR provides the big picture.

Viewing a Videocassette

Turn SWAP light OFF so that the VCR provides the big picture. (Using SWAP button.)

Tune your TV to Channel 3 (or 4).

Now you can use your VCR for tape playback as you have always done in the past. See your VCR's owner's manual for details.

Added benefit: While viewing your recorded cassette, you may turn the PIP ON to use your Double-Play for monitoring broadcast channels in the PIP inset. Use your Double-Play remote control to select the PIP channel.

Record One Channel, View Another Channel

Turn SWAP light ON so that the Double-Play provides the big picture. (Using SWAP button.)

Tune your TV to Channel 3 (or 4).

Use your Double-Play remote control to select the channel you wish to view.

Use your VCR's tuner to select the channel you wish to record. VCR channel selection and tape recorder operation is fully described in your VCR owner's manual.

Added benefit: Turn the PIP ON to monitor the channel you are recording. You can even PAUSE your VCR during commercial interruptions, just don't forget to resume recording when the commercials end!

Double Play Remote Control

The Double-Play Remote Control serves two main functions:

1. It tunes one of two pictures you are viewing; either the full-screen picture or the PIP.
2. It turns the Picture in a Picture (PIP) on and off.

When you first turn on the PIP, it appears in a box in one corner of your screen. The Double-Play remote control is used to tune different channels in the small picture, and your VCR remote tunes the big picture. When the PIP is off, the Double-Play remote control tunes the big picture. Leave your TV set tuned to channel 3 (or 4); from now on, all channel selection is done using your Double-Play Remote Control or VCR Remote Control.

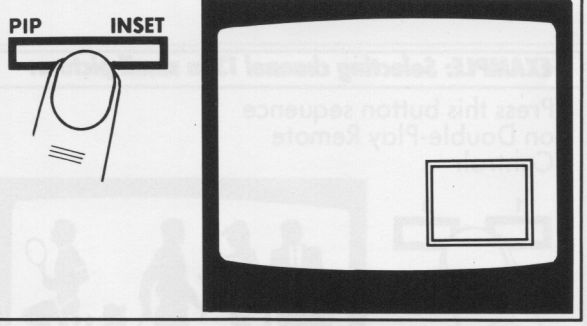
The following pages show detailed examples of every Double-Play function. They are presented in order of importance—that is, the things you need to know first are explained first.

Turning ON and OFF picture in a picture (PIP)

The most basic function of the Double-Play remote control is to turn the small picture (PIP) on and off. For this reason, the PIP INSET button is the largest on the controller. It "toggles" the PIP display on and off—the first time you press it, the PIP appears. If the PIP is already displayed when you press it, the PIP disappears.

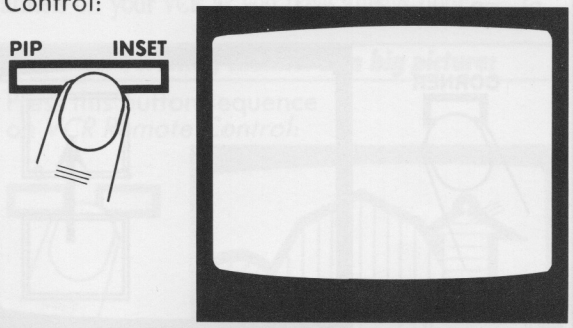
Turning ON Picture in a Picture (PIP):

Press this button on Double-Play Remote Control:



Turning OFF Picture in a Picture (PIP):

Press this button again on Double-Play Remote Control:



Additional Remote Control functions

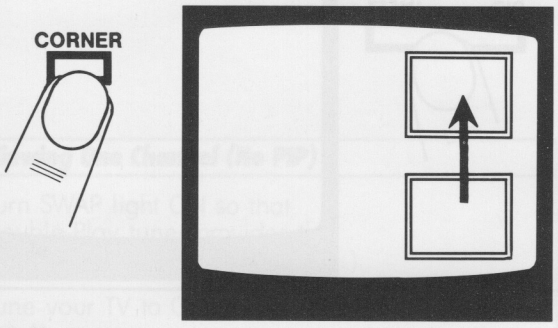
Changing the position of the small picture

Each time you turn on the small picture (PIP), it "wakes up" in the corner where it was last used. If the program you are watching in the big picture has something important in the lower right corner (for example, a tennis player about to serve), you can move the PIP to any other corner of the screen.

Use the CORNER button to move the PIP to a different corner. Each time you press it, the PIP moves to the next corner, in a counter-clockwise direction.

Selecting small picture corner position on the TV screen:

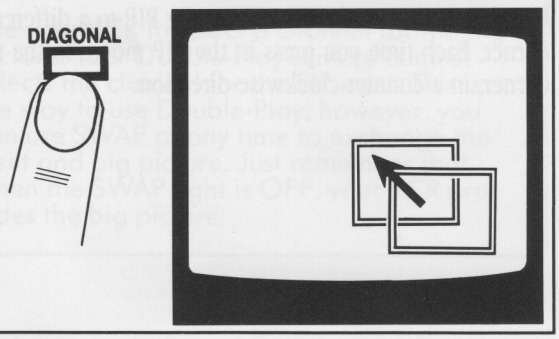
Press this button on Double-Play Remote Control:



You can also move the PIP towards or away from the corner of your TV screen. Use the DIAGONAL button to move the PIP in or out diagonally. Each time you press DIAGONAL, the PIP will move closer to the center of the screen. When it is nearly centered, the next keystroke will move the PIP to the position farthest from the center. There are eight diagonal positions.

Repositioning the small picture diagonally on the TV screen:

Press this button on Double-Play Remote Control:



REMINDER: When you press PIP INSET to remove the PIP, the diagonal position will be remembered until the next time (unless power has been removed from the console).

Selecting channels in the small picture

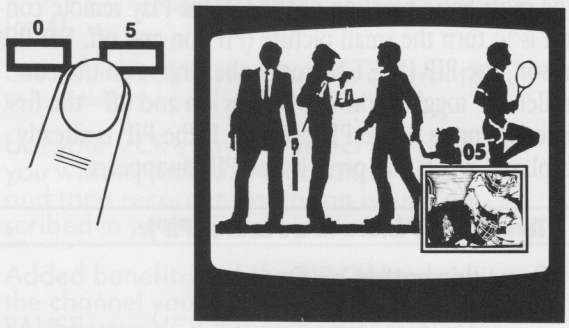
When the SWAP light is off (see page 9), the small picture is tuned by the Double-Play remote control. (You can SWAP the big picture and the small picture, but we'll explain that in a minute.)

To tune in a channel, use the number keys on the Double-Play remote control. You must use two digits to select each channel. To tune channel 5, for example, press 0, then 5. Tune channel 13 by pressing 1, then 3.

This method of tuning channels is called Direct Access, because you directly tune the channel when you enter its number. With Double-Play, you can also step through the channels sequentially, using the UP and DOWN ARROWS on the remote control. Before the arrow keys can be used, however, you will have to "teach" Double-Play which channels are viewable in your geographical area. Please see the "PROGRAMMING CHANNEL MEMORY" section on page 18 for complete details.

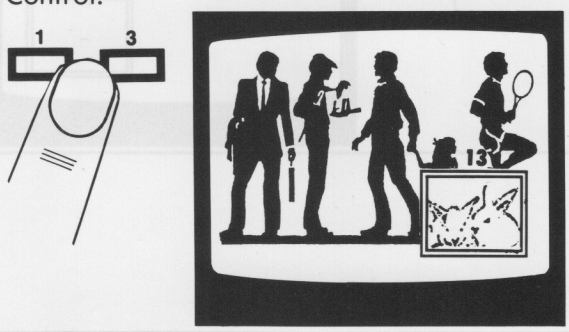
EXAMPLE: Selecting channel 5 in small picture:

Press this button sequence on Double-Play Remote Control:



EXAMPLE: Selecting channel 13 in small picture:

Press this button sequence on Double-Play Remote Control:



Use the UP and DOWN ARROW buttons to select the next higher or lower numbered channel. For example, if you are on channel 4, you can directly tune channel 5 by pressing UP ARROW. Then if you press DOWN ARROW, you will return to channel 4.

Selecting NEXT HIGHER channel in small picture:

Press this button on Double-Play Remote Control:

▲

Selecting NEXT LOWER channel in small picture:

Press this button on Double-Play Remote Control:

▼

REMINDER: The UP and DOWN ARROW keys won't work until you have entered some channels in Double-Play's Channel Memory. Please see *Programming Channel Memory,* page 16.

Use the LAST CH button to flip back to the last channel viewed. For example, if you are viewing channel 4, and you tune directly to channel 7 (by pressing 0, 7), the LAST CH button will first take you back to channel 4, and then back to channel 7.

Selecting PREVIOUS channel in small picture:

Press this button on Double-Play Remote Control:

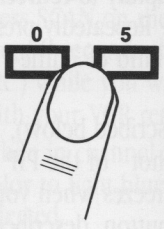
LAST CH

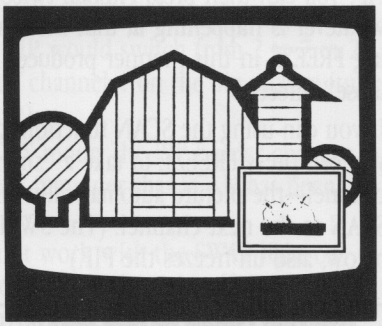
Selecting channels in the big picture

When you first turn on the PIP (with SWAP light off), the big picture is tuned by your VCR Remote control. Select channels on your VCR as you have always done—

EXAMPLE: Selecting channel 5 in big picture:

Press this button sequence on *VCR Remote Control:*

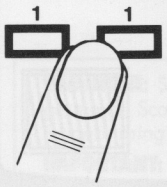


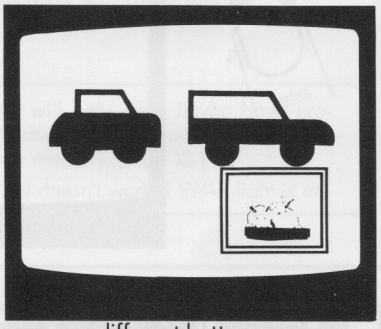


Note: Some VCR's may use different button sequences.

EXAMPLE: Selecting channel 11 in big picture:

Press this button sequence on *VCR Remote Control:*

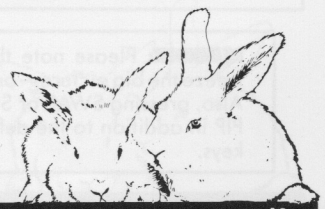




NOTE: Some VCR's may use different button sequences.

REMINDER: The Double-Play Remote Control normally displays the channel number under (or over) the PIP. When the PIP and the big picture are SWAPPED, the Double-Play Remote Control displays the channel number centered at the top or bottom of the screen. This is to remind you that the PIP and the big picture have been temporarily swapped, and the remote control for your VCR is now temporarily tuning the PIP channels. In addition, when the pictures are SWAPPED the SWAP light remains lit on the Double-Play front panel.

Please see *Swapping the Big Picture and the PIP,* page 14.



Freezing the small picture

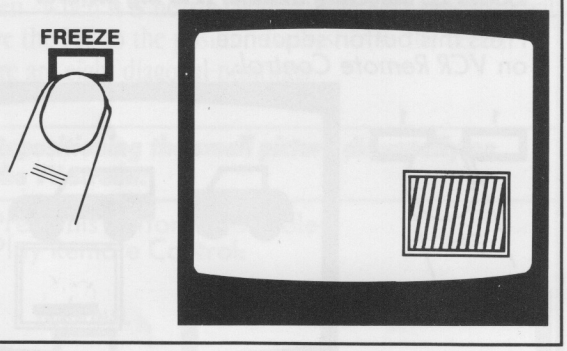
You can freeze the small picture by pressing the FREEZE button on the Double-Play remote control. The next time you press FREEZE, the picture will come to life again. (Action will skip from the frozen image to the current broadcast live picture.)

If you press the FREEZE button for a still picture in the PIP, you can then press FREEZE twice rapidly to re-freeze whatever is happening at that moment. Repeatedly pressing FREEZE in this manner produces a kind of "time-lapse" effect.

If you can using the SCAN function (described below), you can press FREEZE to take a "snap-shot" of the PIP channel—the picture automatically un-freezes when you SCAN to the next channel. (The SWAP button, described below, also un-freezes the PIP.)

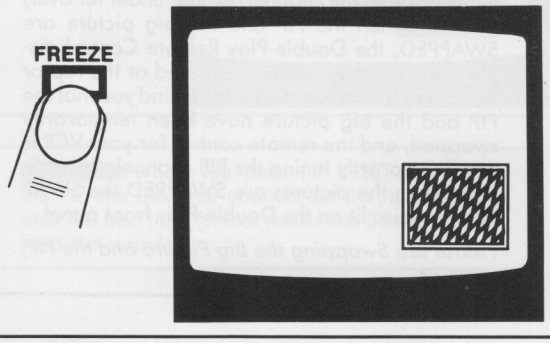
Freezing (small picture only):

Press this button on Double-Play Remote Control:



UN-Freezing (small picture only):

Press this button on Double-Play Remote Control again:



REMINDER: Please note that is it not possible to freeze the big picture—only the PIP can be frozen. Also, pressing SWAP or SCAN will UN-freeze the PIP in addition to the defined functions for those keys.

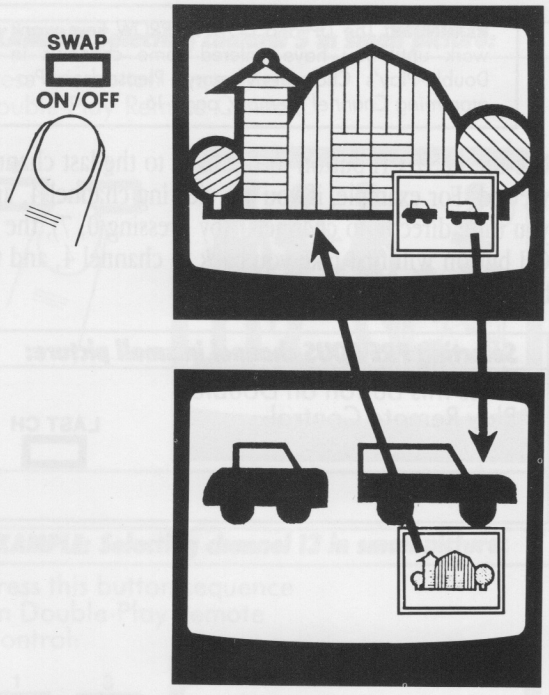
Swapping the big picture and the PIP

Pressing the SWAP key makes the big picture and the small picture trade places. This is handy when you notice something interesting about to happen in the PIP, and you want to take a closer look. When you press SWAP, the small picture takes over the TV screen, and the channel from your VCR pops into the small picture. As a reminder that SWAP is on, an indicator lights up on the Double-Play front panel. (See page 9.)

REMEMBER: When SWAP has been pressed, the VCR picture becomes the PIP. This means you must use your VCR remote control for the PIP, and your Double-Play remote control for the big picture. When you press SWAP again, everything is back to normal, and the SWAP light goes out. (See page 9.)

Swapping the small picture and the big picture:

Press this button on Double-Play Remote Control:



REMINDER: The Double-Play Remote Control normally displays the channel number under (or over) the PIP. When the PIP and the big picture are SWAPPED, the Double-Play Remote control displays the channel number centered at the top or bottom of the screen. This is an additional reminder that the PIP and the big picture have been temporarily swapped—the remote control for your VCR is now temporarily tuning the PIP channel.

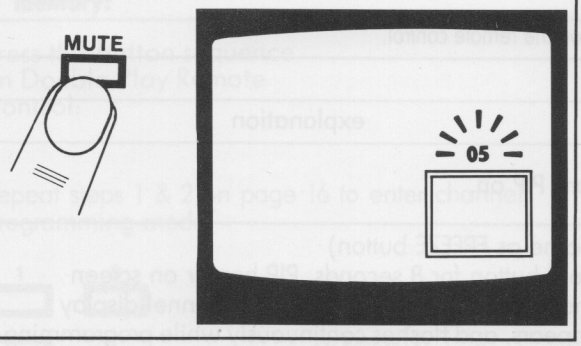
Muting the sound from the big picture

The Double-Play remote control's last button is MUTE. Pressing MUTE turns the sound on or off. Remember that the sound always comes from the big picture, even if you have used SWAP (see above).

When you first turn on the PIP, the sound for the big picture will always be ON.

Muting the sound (big picture only):

Press this button on Double-Play Remote Control:



REMINDER: When sound is MUTED, the Double-Play channel display will remain on screen, blinking, to remind you that the sound is temporarily off.

Turning the sound back on (big picture only):

Press this button on Double-Play Remote Control again:

Automatic channel scan in small picture

A special feature of the Double-Play permits you to cycle through your favorite channels in the PIP, changing channels automatically every 8 seconds.

For example, if you were watching football on channel 4, and waiting for a weather report on channels 2 or 7, you could program Scan Memory for channels 2 and 7. Then press SCAN on the Double-Play Remote-Control, and every 8 seconds the PIP would switch from 2 to 7 to 2 (etc.) while you watch channel 4 on the big picture (tuned with your VCR remote).

While in channel SCAN mode, the PIP border changes in color to light blue as a reminder that SCAN has been selected.

Channel SCAN will not work with the SWAP light on; press the SWAP button to turn the light off. In SCAN mode, your VCR provides the big picture.

Channel SCAN will not work until you have programmed SCAN memory with your desired channels. See page 18.

You can stop channel scanning at any time by pressing SCAN. You may also end channel scanning by pressing SWAP to exchange the inset and main picture.

REMINDER: SCAN will only work if you have programmed Scan Memory with desired channels. (See *Programming Scan Memory*, page 18.)

IMPORTANT: SCAN doesn't work if SWAP light is on.

Turning channel scan ON (small picture only):

Press this button on Double-Play Remote Control:

Turning channel scan OFF (small picture only):

Press this button on Double-Play Remote Control again:

Programming channel memory

The ARROW buttons are used for sequencing up and down through the channels in numerical order. For example, if channel 4 is in the PIP, pressing UP ARROW will change the PIP channel to 5. Pressing it four more times will tune channel 9 in the PIP. Pressing DOWN ARROW four times will return the PIP to channel 5.

Before the arrows can be used, your Double-Play must be programmed to tune those channels you wish to view, and omit those channels you wish to avoid. This procedure is called Programming Channel Memory.

NOTE: If you have set the rear panel switch on Double-Play to ANTENNA, you will be able to access VHF channels 2-13, and UHF channels 14-69.

If the switch is set to CABLE, you can access VHF channels 1-13, midband channels A-5 through 1, and superband channels J through W.

Your Double-Play may come programmed with many channels which are not in use in your area, or with your cable system. Here's an example of how to program those channels you wish to view:

Please note that channel memory programming buttons are labelled in red on the remote control.

EXAMPLE: Adding channels 2, 4 and 7 to channel memory		
step	buttons to press	explanation
1	PIP INSET	Turn PIP on.
2	CHANNEL (8 seconds)	(Same as FREEZE button) Hold button for 8 seconds. PIP border on screen changes from WHITE to PURPLE. Channel display appears, and flashes continuously while programming.
3	0 2	Select channel 2, for example.
4	ADD	(Same as CORNER button) Adds channel 2 to channel memory. PIP border flashes YELLOW.
5	0 4	Select channel 4, for example.
6	ADD	Adds channel 4 to channel memory. PIP border flashes YELLOW. (Do not hold down button.)
7	0 7	Select channel 7, for example.
8	ADD	Adds channel 7 to channel memory. PIP border flashes YELLOW. (Do not hold down button.)
9	. . . more channels. . .	Continue adding channels in this way until all viewable channels have been added.
10	PIP INSET PIP INSET	Ends channel memory programming. Turns off PIP. Turns PIP back on again. Channels 2, 4 and 7 are now in channel memory.

REMINDER: You must program channel memory for two or more TV stations in your area before using the UP and DOWN ARROW keys on your Double-Play Remote Control. After entering two or more channels you can use the UP and DOWN ARROW keys to review channel memory contents.

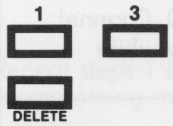
Deleting channels from channel memory

You can remove a channel from channel memory. This means that the UP and DOWN arrows will skip this channel. Channels not in channel memory can still be tuned by direct access by pressing two appropriate number keys.

EXAMPLE: Deleting channel 13 from channel memory:

Press this button sequence on Double-Play Remote Control:

Repeat steps 1 & 2 on page 16 to enter channel programming mode.



Select channel 13.

(same as DIAGONAL button)
Delete channel 13 from memory.
PIP border flashes YELLOW.

IMPORTANT: Do not hold down DELETE button, or you will erase entire channel memory.

Repeat step 10 on page 16 to end channel programming mode.

Deleting ALL CHANNELS from channel memory:

Repeat steps 1 & 2 on page 16 to enter channel programming mode.

(8 seconds)

(same as DIAGONAL button)
Erase all channels from channel memory.
PIP border flashes YELLOW twice.
Second flash, after 8 seconds, indicates that memory is erased.

Repeat step 10 on page 16 to end channel programming mode.

REMINDER: While programming, you may use next channel tuning (press arrow keys) to review the channels currently in Channel Memory.

While programming Channel Memory, the FREEZE, SCAN, SWAP, and MUTE buttons are temporarily unusable.

Adding or deleting channels from Channel Memory does not affect Scan Memory (described below).

Programming scan memory

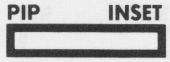
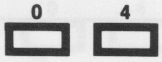
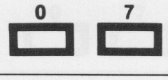
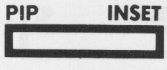
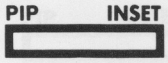
The SCAN button (see page 15) makes Double-Play sequence through your favorite channels in the small picture. For example, if scan memory has been programmed for channels 4, 5, 7 and 13, pressing SCAN will cycle continuously through these four channels in the PIP, while watching something in the big picture. Each channel will remain in the PIP for eight seconds.

Before the arrows can be used, you will have to tell Double-Play which channels you want to scan. This is called Programming Scan Memory.

Programming scan memory is done almost exactly the same way as programming channel memory. The main difference is that you use the SCAN MEMORY button (SCAN) instead of the CHANNEL MEMORY button (FREEZE). Another difference is that holding ADD for 8 seconds copies Channel Memory into Scan Memory.

Here's how to program your favorite channels into Scan Memory:

Please note that scan memory programming buttons are labelled in red on the remote control.

EXAMPLE: Adding channels 2, 4 and 7 to scan memory		
step	buttons to press	explanation
1		Turn PIP on.
2	(8 seconds)	Hold button for 8 seconds. PIP border on screen changes from WHITE to LIGHT BLUE to RED. Channel display appears, and flashes continuously while programming.
3		Select channel 2, for example.
4		(Same as CORNER button) Adds channel 2 to scan memory. PIP border flashes YELLOW.
5		Select channel 4, for example.
6		Adds channel 4 to scan memory. PIP border flashes YELLOW. (Do not hold down button.)
7		Select channel 7, for example.
8		Adds channel 7 to scan memory. PIP border flashes YELLOW. (Do not hold down button.)
9	. . . more channels. . .	Continue adding channels in this way until all channels of interest have been added.
10	 	Ends scan memory programming. Turns off PIP. Turns PIP back on again. Channels 2, 4 and 7 are now in scan memory.

REMINDER: You must program scan memory for two or more TV stations in your area before using the SCAN button on your Double-Play Remote Control. After entering two or more channels you can use the UP and DOWN ARROW keys to review scan memory contents while in scan memory programming mode.

Copying channel memory to scan memory

You may also program all of Channel Memory into Scan Memory in a single step. If you want to scan a large number of channels, you may wish to copy Channel Memory and then delete the channels which you do not want to scan (see *Deleting Channels from Scan Memory*, below).

When you are programming Scan Memory, hold the ADD button for 8 seconds to copy all Channel Memory channel numbers at once.

Copying channel memory to scan memory:

Press this button sequence on Double-Play Remote Control:

Repeat steps 1 & 2 on page 18 to enter scan programming mode.

ADD	Copy channel memory into scan memory.
(8 seconds)	PIP border flashes YELLOW twice. Second flash, after 8 seconds, indicates that channel memory is copied to scan memory.

Repeat step 10 on page 18 to end scan programming mode.

REMINDER: While programming, you may use direct access tuning (press two digits) or next channel tuning (press arrow keys) to review the channels currently in Scan Memory.

While programming Scan Memory, the FREEZE, SCAN, SWAP, and MUTE buttons are temporarily unusuable.

Adding or deleting channels from Scan Memory does not affect Channel Memory (described on page 16.)

Deleting channels from scan memory

You can remove a channel from scan memory. This means that the SCAN function will skip this channel.

EXAMPLE: Deleting channel 13 from scan memory:

Press this button sequence on Double-Play Remote Control:

Repeat steps 1 & 2 on page 18 to enter scan programming mode.

1 3	Select channel 13.
DELETE	(same as DIAGONAL button) Erase channel 13 from scan memory. PIP border flashes YELLOW.

IMPORTANT: Do not hold down DELETE button, or you will erase entire scan memory.

Repeat step 10 on page 18 to end channel programming mode.

Deleting ALL CHANNELS from scan memory:

Repeat steps 1 & 2 on page 18 to enter scan programming mode.

DELETE	(same as DIAGONAL button) Erase entire scan memory.
(8 seconds)	PIP border flashes YELLOW twice. Second flash, after 8 seconds indicates memory is erased.

Repeat step 10 on page 18 to end scan programming mode.

IMPORTANT SAFETY INSTRUCTIONS

Your Double-Play will bring you many years of fun and entertainment. In order to keep it in good working condition, please remember the following:

Proper ventilation is very important to prevent overheating. Never block the ventilation openings in any way. There are also ventilation slots in the bottom which should not be blocked by placing the console on a bed, sofa, carpet, etc.

Be careful not to spill liquids on the console or Remote Control, and never expose them to rain or excessive moisture. If a spill should occur, wipe off, let them air dry, and consult a qualified service person.

Do not expose the console or Remote Control to excessive or extreme heat. Never place them near or over a radiator or heat system.

Never remove the cover of the console or drop or push objects through the slots. This could expose you to dangerous voltages.

If console is damaged, a shock hazard may exist. If damaged or if there is a distinct change in performance, immediately unplug the Double-Play and have it checked by an authorized service person.

Do not plug into a power source other than a 120 Volt AC 60 Hertz electrical outlet. If the system is not going to be used for extended periods of time, unplug from the power source.

Do not stack items on the Double-Play console or Remote Control. Heavy items can cause damage and impair ventilation. Constant pressure on the Remote Control buttons may drain the remote's batteries.

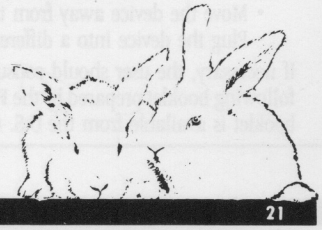
Clean the Double-Play console and Remote Control with a soft, slightly dampened clean cloth. Before cleaning console, make sure the power is turned off and the AC plug disconnected.

If Remote Control stops functioning, check batteries and replace as required. If you are storing Double-Play for a long time, remove batteries.

Do not allow Double-Play Remote Control buttons to remain depressed for long periods of time or excessive battery drain may occur.

IN CASE OF DIFFICULTY

UP and DOWN ARROWS do nothing	Channel Memory has not been programmed, or someone has deleted all channels from it. See *PROGRAMMING CHANNEL MEMORY*, page 16.
Fuzzy picture, no color	TV may need "fine tuning" for channel 3 or 4 (to match switch on back of Double-Play). On some sets, best picture is obtained by turning off "automatic fine tuning" feature. See *DETAILED INSTALLATION*, page 6.
No picture, no sound	TV set must be tuned to channel 3 or 4 (to match swtich on back of Double-Play). Press SWAP on remote control to turn on SWAP light. Review *DETAILED INSTALLATION*, page 6.
SCAN button does nothing	Scan Memory has not been programmed, or someone has deleted all channels from it. See *PROGRAMMING SCAN MEMORY*, page 18. OR Big picture and PIP have been SWAPPED. OR PIP is OFF. See *AUTOMATIC CHANNEL SCAN IN SMALL PICTURE*, page 15.
PIP INSET button does nothing	Double-Play is not plugged into AC power. Review *DETAILED INSTALLATION*, page 6. OR batteries in Double-Play remote control are dead. See *DETAILED INSTALLATION* for battery installation instructions, page 6.
PIP comes on, but no picture in inset	Double-Play or VCR is not tuned to a valid channel, or VCR is turned off. OR Cable and/or antenna are not properly connected to Double-Play. Review *DETAILED INSTALLATION*, page 6.
Can't select any cable channels or Channels above 13	ANTENNA/CABLE switch on rear panel of Double-Play is set to ANTENNA. Set switch from ANTENNA to CABLE.
Can't tune channels 2 through 9	Press two numbers keys—first 0, then 2 through 9.
Big picture is blank or rolling with no sound	VCR is turned off or disconnected from cable, or not tuned to valid station. Try SWAP button to turn on SWAP light. Check VCR connections and make sure power is on.
VCR tuner does nothing	PIP is OFF (use Double-Play Remote Control to tune channels). OR press SWAP on remote control. See *HOW TO USE DOUBLE-PLAY*, page 9.
Channel number won't stop blinking and no sound from TV	Sound is MUTED. Press MUTE on Double-Play Remote Control. See *HOW TO USE DOUBLE-PLAY*, page 9.
Can't select any UHF channels (14 through 69)	ANTENNA/CABLE switch on rear panel of Double-Play is set to CABLE. OR UHF antenna not connected to console.
Black and white picture	If all channels, try "fine tuning" your TV. Also, if big picture is black-and-white rerun or movie, PIP inset may be black-and-white.
PIP inset picture doesn't look right when cablecast text "bulletin" channel is big picture	Some computer-generated (noninterlaced) text broadcasts, such as bulletin or community news channels, will not allow PIP to update.
Can't tell which channel Double-Play is tuned to	Press MUTE on remote control to flash channel number (sound goes off), then press again to restore sound.



SPECIFICATIONS

Power source: 120 VAC, 60 Hertz

Power consumption: 14 Watts Max.

Battery requirements: 2 AAA alkaline cells
Nominal battery life is one year.

Cable system compatibility: Standard, IRC, and HRC

Channel range, antenna mode:
VHF 2-13 NTSC
UHF 14-69 NTSC
(UHF 70-82 are no longer used.)

Channel range, cable mode:
1-36 and 95-99 NTSC

Note: Some cable systems may identify channels using other labels. Channels 14-36 may be identified as A through W. Channels 95-99 may be identified as A5 through A1.

Inputs: 75 ohm cable or VHF antenna
300 UHF antenna
Video and Audio (mono or stereo) from VCR

Outputs: 75 ohm VHF, channel 3 or 4 (for television viewing)
Video (for monitor viewing)
Audio

Specifications are subject to change without notice.

FCC STATEMENT

This equipment generates and uses radio frequency energy and if not installed and used in accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient the receiving antenna.
- Relocate the device with respect to the reciever.
- Move the device away from the receiver.
- Plug the device into a different outlet so that the device and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio-television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful: *How to Identify and Resolve Radio-TV Interference Problems.* This booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402, Stock No. 004-000-00345-4.

90 DAY LIMITED WARRANTY

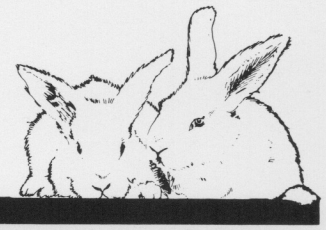
Rabbit Systems, Inc., warrants to the original consumer purchaser (in the U.S.A.) of its Double-Play that the product shall be free of defects in materials or workmanship for 90 days from the date of purchase under normal in-house use.

During the warranty period Rabbit Systems, Inc., will at its option repair or replace the product without charge for parts or labor. The product must be returned (with proof of purchase) to either the dealer or to Rabbit Systems, Inc., Product Service Center, 100 Wilshire Blvd., Santa Monica, CA 90401. If returned to Rabbit Systems, you must PREPAY THE POSTAGE AND INSURE THE SYSTEM. Rabbit Systems, Inc., reserves the right to utilize reconditioned units in replacing the product.

The warranty does not cover installation, adjustment in the home; nor is damage due to accident, misuse, abuse, fire, flood, and other Acts of God, incorrect line voltage, consequential damage to other equipment caused by improper installation, improper or unauthorized repair, broken or marred cabinet or altered serial numbers, or unauthorized modification. Some states don't allow the exclusion or limitation of accidental or consequential damage, or allow limitations on how long an applied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Please read your Owner's Manual carefully before using the product. If a malfunction occurs, please refer to the troubleshooting checklist in the owner's manual. If you cannot correct the malfunction after consulting the checklist, please call the following number for help in solving the problem:

RABBIT SYSTEMS NATIONAL SERVICE CENTER
800-772-7012
California residents call collect (213-393-6200)



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REMINDER

Once you have installed your Double-Play, your television set must always be tuned to channel 3 or 4. For normal TV viewing without the picture-in-a-picture inset, you have two options:

OPTION 1, Use Double-Play to Select Viewing Channels:

A. Make sure your TV is tuned to channel 3 or 4.

B. Turn VCR off.

C. Turn Double-Play "SWAP" light on: push "SWAP ON/OFF" button on Double-Play remote control until the red "SWAP" light appears on console.

D. Use Double-Play's remote control to select viewing channels.

OPTION 2, Use Your VCR to Select Viewing Channels:

A. Make sure your TV is tuned to channel 3 or 4.

B. Turn VCR on.

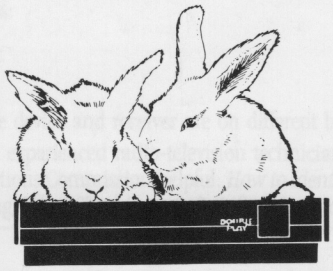
C. Turn Double-Play "SWAP" light off: push "SWAP ON/OFF" button on Double-Play remote control until the red "SWAP" light on console disappears.

D. Use your VCR's remote control to select viewing channels.

REMEMBER: If you have turned off your VCR and TV and you have turned off the "SWAP" light on your Double-Play, then the next time you want to watch one channel only (no PIP), you must turn the Double-Play "SWAP" light on and use Double-play's remote control to select the channel; or, if you prefer, turn on your VCR and use its remote control to select the channel as described above.

NOTICE: The button labeled "PIP INSET" in this owner's manual may be labeled "PIP ON/OFF" on your remote control unit.

The button labeled "SWAP ON/OFF" in your owner's manual may be labeled "SWAP" on your remote control unit.



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